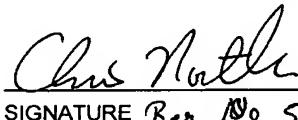
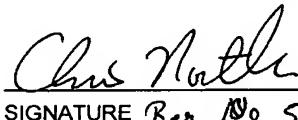
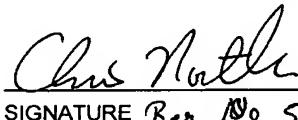


Substitute for Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 014975-119	
		TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/535442	
INTERNATIONAL APPLICATION NO. PCT/FI2003/000888		INTERNATIONAL FILING DATE 19 November 2003 (19.11.2003)		PRIORITY DATE CLAIMED 19 November 2002 (19.11.2002)	
TITLE OF INVENTION NUCLEIC ACID PROBES AND BROAD-RANGE PRIMERS FROM REGIONS IN TOPOISOMERASE GENES, AND METHODS IN WHICH THEY ARE USED					
APPLICANT(S) FOR DO/EO/US ROTH, Stina; JALAVA, Jari; and NIKKARI, Simo					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission to items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 					
Items 11 to 21 below concern document(s) or information included:					
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input checked="" type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <u>(1) General Authorization for Petitions for Extensions of Time and Payment Fees; (2) Application Data Sheet; (3) Form PCT/ISA/210 (International Search Report); (4) Form PCT/IPEA/409 (Copy of International Preliminary Report on Patentability with attached Amended Sheets); (5) Paper Copy of Sequence Listing attached to Preliminary Amendment; (6) Finnish International Search Report; (7) Finnish Office Action; (8) Copy of "Corrected" WO 2004/046379 A1; (9) Marked-up Copy of Substitute Specification and Abstract; (10) Substitute Specification and Abstract</u> 					

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<p>21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>KOLSTER OY AB, Helsinki, Finland</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>			CALCULATIONS PTO USE ONLY																																																																																																															
<p>22. <input checked="" type="checkbox"/> The following fees are submitted:</p> <table border="1"> <tr> <td colspan="3">Basic Filing Fee (1631)</td> <td>\$ 300.00</td> </tr> <tr> <td colspan="3">Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</td> <td></td> </tr> <tr> <td colspan="4"> <table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE \$</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>19</td> <td>-20 =</td> <td>0 $\times \\$50.00$ (1615) \$ 0.00</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>-3 =</td> <td>1 $\times \\$200.00$ (1614) \$ 200.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>$^+ \\$360.00$ (1616)</td> </tr> <tr> <td colspan="3">Examination Fee</td> <td>$^+ \\$200.00$ (1633) \$ 200.00</td> </tr> <tr> <td colspan="3">Search Fee</td> <td>$^+ \\$400.00$ (1632) \$ 400.00</td> </tr> <tr> <td colspan="3">App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)</td> <td></td> </tr> <tr> <td colspan="3">TOTAL OF ABOVE CALCULATIONS</td> <td>\$ 1,100.00</td> </tr> </tbody> </table> </td> </tr> <tr> <td colspan="3"> <input checked="" type="checkbox"/> Applicant claims small entity status. 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